

In re Appln. of VAIDYA et al.
Application No. 09/415,901

IN THE SPECIFICATION:

Please amend the paragraph beginning at page 13, line 1, as follows:

In 404, the packet is tagged with a start tag. The start tag is a function of the time when the packet arrives at the node. ~~[[.]]~~ The packet itself is denoted as P_i^k , where P is the packet, i indicates the node, and k indicates the k -th packet received at the node. The start tag is specified as S_i^k and determined as

$$S_i^k = \max \{v(A_i^k), F_i^{k-1}\},$$

where A_i^k specifies the real time at which packet P_i^k arrives at node i , and F_i^{k-1} specifies the finish tag of the previous packet. ~~A finish tag of the packet indicates when the packet was transmitted from the node onto the link or the network.~~ The finish tag of a packet is determined as

$$F_i^k = S_i^k + \gamma \frac{L_i^k}{w_i},$$

where L_i^k specifies the length of the packet and w_i specifies weight of node i , higher weight is given to nodes that require a greater share of the bandwidth. γ is the scaling factor used to allow a choice of the scale for the virtual clock.